

**SYSTEM AND METHOD FOR
DRY FORMING ZONED ABSORBENT CORES**

ABSTRACT

An apparatus and method for depositing particulate matter onto a supply of absorbent core fibrous substrate material are disclosed. The apparatus has a feed tray that has an inlet for receiving a supply of particulate matter. At least part of a lower pan of the feed tray is a slideable shuttle pan that has an outlet edge located near a supply of absorbent core fibrous substrate material that is moving in a machine direction. The supply of particulate matter passes over the outlet edge to exit the feed tray. A mechanism operates the shuttle pan through a range of motion having a forward stroke and a backward stroke. During the forward stroke, the outlet edge follows the supply of absorbent core fibrous substrate material.

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